HOT TUB
OWNERS MANUAL

Due to our continuous improvement programs, all models, operation, and/or specifications are subject to change without prior notice.

For the control system operation, please refer to the Shoreline Control Manual (2013.1.2)

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Introduction

Congratulations on the purchase of your new Shoreline Hydrotherapy™ hot tub! With proper preparation and care, your hot tub will give you many years of enjoyment. We believe that your hot tub will become a special place in your garden that allows your family and friends to relax, have fun and enjoy time together in a soothing, natural water environment.

Please remember, your hot tub is a powerful piece of electrical equipment. It is extremely important that you have it properly installed to ensure safe use. To properly acquaint yourself with your hot tub, we suggest that you take the time to read through this owner's manual and all other manuals and guides before installing and operating your hot tub. And it is also a supplement to the training that you should receive from your hot tub dealer when you purchase and start up your hot tub for the first time. Doing so will familiarize you with important operating and safety procedures, thereby ensuring an enjoyable experience right from the start.

If you have any questions regarding this manual, please call your hot tub dealer, who will be happy to further assist you.

WARNING: This manual was written to ensure the proper use and installation of your hot tub. Any modifications to the procedures outlined in this manual may result in your warranty being void.

This manual and its contents are subject to change without notice. Although we have prepared this manual as accurate and precise as possible, we will not be liable for loss, injury or damages caused by improper installation or improper use of the hot tub.

Correct Disposal of this product

This marking indicates that this product should not be disposed with other household wastes throughout the EU. To prevent possible harm to the environment or human health from uncontrolled waste disposal, recycle it responsibly to promote the sustainable reuse of material resources. To return your used device, please use the return and collection systems or contact the retailer where the product was purchased. They can take this product for environmental safe recycling.

Important Safety Instructions

PLEASE TAKE THE TIME TO READ ALL OF THESE WARNINGS AND CAUTIONS BEFORE INSTALLING AND USING YOUR HOT TUB.

Please be a responsible hot tub owner. When installing and using your hot tub, please always follow these basic safety precautions. Be certain to explain the safety precautions to all new or occasional users of your hot tub.

NOTE: A qualified electrician will be required to install a dedicated suitably protected electrical supply to the current code of practice and register the installation with correct electrical bodies/authorities.

DANGER -- RISK OF CHILD DROWNING & INJURY: To avoid accidents, ensure that children cannot use the hot tub unless they are supervised at all times. Make sure you always lock the cover after using your hot tub for children's safety.

Lower water temperatures are recommended for children. Children are especially sensitive to hot water.

DANGER - RISK OF ENTRAPMENT INJURY: To avoid accidents, hot tub users should not immerse their head(s). Users with long hair should tie up hair or wear a suitable swimming cap when using the hot tub. No loose clothing should be worn only suitable bathing costumes.

DANGER - RISK OF INJURY: Do not touch or sit in front of or on suction covers. The suction fittings in this hot tub are sized to match the specific water flow created by the pump. Should the need arise to replace the suction fittings, or the pump, be sure the flow rates are compatible.

Never operate the hot tub if a suction cover(s) or jet(s) or filter baskets are broken or missing.

Never replace a suction cover fitting with one that is rated less than the flow rate marked on the original suction fitting.

DANGER - RISK OF ELECTRICAL SHOCK: Install the hot tub at least 5 feet (1.5m) from all metal surfaces. As an alternative, the hot tub may be installed within 5 feet (1.5m) of metal

surfaces when each metal surface is permanently earth bonded.

Do not permit any external electrical appliances, such as a lights, telephone, radio, television and etc., within 5 feet (1.5m) of the hot tub. Never attempt to operate any electrical device from inside the hot tub.

⚠WARNING -- TO REDUCE THE RISK OF INJURY

The hot tub water should never exceed 40˚C (104˚F). Water temperatures between 38˚C (100˚F) and 40˚C are considered safe for a healthy adult. Lower water temperatures are recommended for young children and when hot tub use exceeds 10 minutes.

High water temperatures have a high potential for causing foetal damage during pregnancy. Women who are pregnant, or who think they are pregnant, should always check with their physician prior to hot tub usage.

The use of alcohol, drugs or medication before or during hot tub use may lead to unconsciousness with the possibility of drowning.

Persons suffering from obesity, a medical history of heart disease, low or high blood pressure, circulatory system problems or diabetes should consult a physician before using the hot tub.

Persons using medications should consult a physician before using the hot tub since some medication may induce drowsiness while others may affect heart rate, blood pressure and circulation.

⚠AVOID RISKS OF HYPERTHERMIA

Prolonged exposure to hot air or water can induce hyperthermia. Hyperthermia occurs when the internal temperature of the body reaches a level above 2˚C to 4˚C the normal body temperature of 37˚C. While hyperthermia has many health benefits, it is important not to allow your body's core temperature to rise above 39.5˚C. Symptoms of excessive hyperthermia include dizziness, lethargy, drowsiness and fainting. The effects of excessive hyperthermia may include:

- Failure to perceive heat

- Failure to recognize the need to exit hot tub
- Unawareness of impending hazard
- Foetal damage in pregnant women
- Physical inability to exit the hot tub
- Unconsciousness

WARNING: The use of alcohol, drugs, or medication can greatly increase the risk of fatal hyperthermia.

AVOID RISKS OF BURNS

- Before entering a hot tub, measure the water temperature with an accurate thermometer since the tolerance of temperature-regulating devices may vary by as much as ±5℉ (2℃).
- Test the water with your hand before entering the hot tub to be sure it's comfortable.

FOR HOT TUBS EQUIPPED WITH AUDIO COMPONENTS

Audio components are optional and available on selected hot tub models.

WARNING: Do not connect any auxiliary components – for example, cable, additional speakers, headphones, etc., to the system. Do not operate the audio equipment from within the hot tub, or with wet hands.

Caution: Do not leave audio compartment door open. Replace audio components only with identical components.

Warning! Shock Hazard! No User Serviceable Parts.

Do not attempt service of this control system. Contact your dealer or service organization for assistance. Follow all owners' manual power connection instructions. All electrical installations must be performed by a licensed electrician and all grounding connections must be properly installed.

General Hot Tub Guidelines

Your new hot tub is meant to be enjoyable, healthful and relaxing. The following operating and maintenance instructions are very important and must be followed carefully.

- Always check the water temperature by hand before entering your hot tub. High water temperatures can be hazardous to your health.
- Children should not use hot tubs without adult supervision.
- Do not use your hot tub alone.
- Keep all glass and other breakables away from the hot tub area.
- No horse play, running, jumping, diving or in or around the hot tub.
- Enter and exit the hot tub slowly. Wet surfaces can be slippery.
- Tie up long hair or wear a swimming cap.
- Do not immerse your head under water.
- Suitable bathing costumes should be worn, no loose clothing.
- Prolonged immersion can be hazardous to your health.
- Do not use the hot tub if any part or component of it broken or not working properly.
- Maintain water chemistry in accordance with B.I.S.H.T.A. standards.
- Only use Shoreline™ approved chemical brands.

Your new hot tub has been engineered with a high-powered water pump that pushes water through various hydrotherapy jets, which will relax even the tightest muscles.

The filtering of the hot tub is very important. It will minimize cleaning time and the amount of chemicals needed to keep your hot tub water balanced. The two daily programmable filter cycles can be set for any duration up to 11 hours if the need arises. This can be accomplished through the topside control panel.

IMPORTANT: Keep your hot tub securely covered and locked when not in use!

- Covered hot tubs use less electricity while maintaining a set temperature.
- Covering your hot tub will protect your hot tub's finish from the sun's ultraviolet rays.
- You are required to keep the hot tub covered to maintain warranty coverage.
- Covering and locking your hot tub helps prevent children from drowning in the hot tub.

Your new hot tub comes equipped with an electric heater. Follow the instructions mentioned below will ensure the most efficient operation:

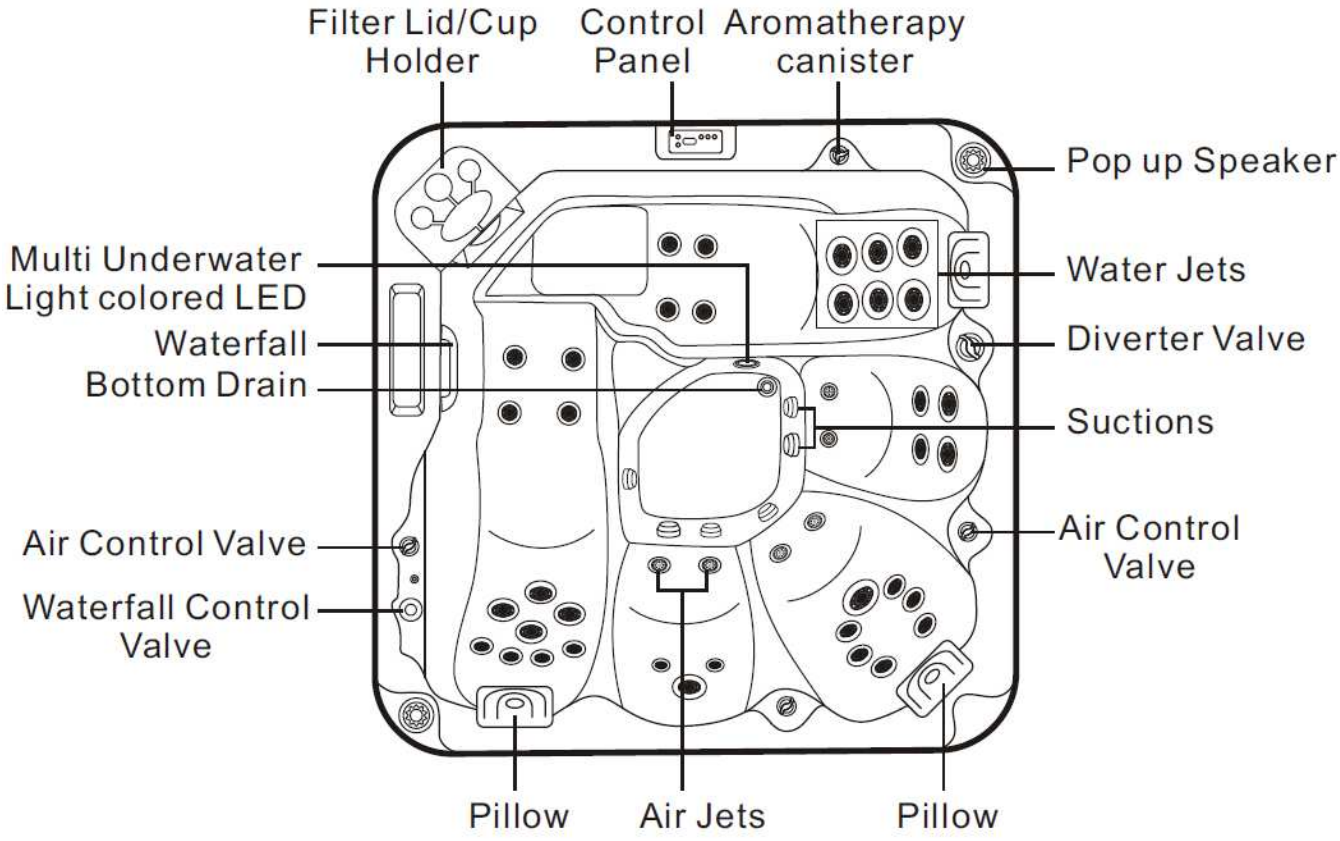
- Keep the hot tub's operating temperature 2˚C below the desired usage temperature when not in use. One or two hours before use, set the temperature to the desired temperature.
- If the hot tub usage exceeds two hours a week, the set temperature should remain at the desired usage temperature.
- The air venturis should be used sparingly. When open, water temperature drops quite rapidly and can also dissipate chemicals.

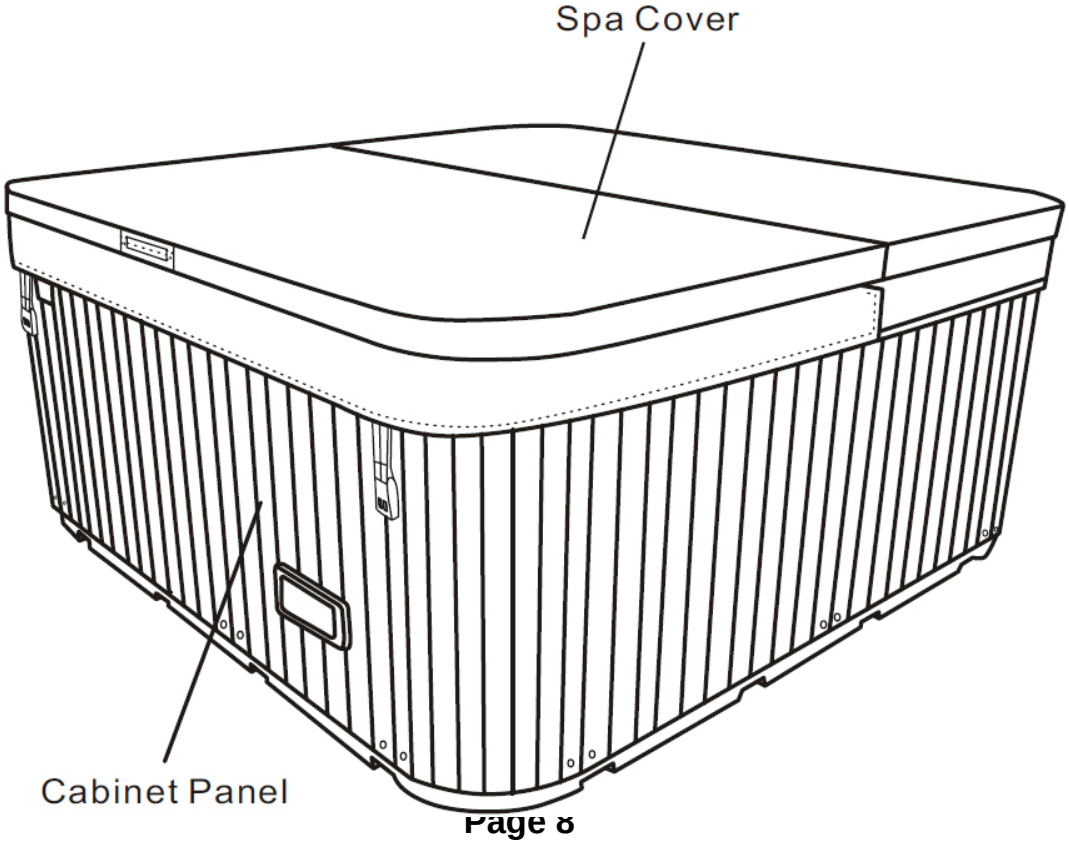
NOTE: This method is only for hot tub usage under two hours a week.

- The filter needs to be cleaned weekly and replaced annually. Cleaning only takes a few minutes and the result is increased water clarity and equipment longevity. The filter must be cleaned with an approved filter cleaner monthly or more frequently if required. The hot tub must be turned off prior to filter removal. Do not run the hot tub without a filter.
- Water level is very important to the operation of your hot tub. If the water level is too low or too high, your hot tub will not operate properly. The water level should be approximately 1" above the highest jet (or about ½" below the pillow) when the hot tub is not being used.
- We recommend that your hot tub water be changed every 4 – 6 weeks. You may find the need to change your hot tub water more frequently with heavy use. When empty, your hot tub should be cleaned with an approved hot tub shell cleaner then rinsed thoroughly.
- When filling your hot tub, always fill through the skimmer filter canister. Use only regular tap water (not softened water, rain water, bore hole or Well water).
- See page 11 for instructions on draining your hot tub.

WARNING: DO NOT USE SALT, SOFTENED or HARD WATER IN YOUR HOT TUB!

Refer to the following pictures for an explanation of your hot tub's controls, components, and technical terms. Please note that not all models have the features and components as shown in the following pictures.





Feature Operations

DIVERTER VALVE

Your hot tub is equipped with a diverter valve (See Figure 2). This valve can be used to divert jet power from one area in the hot tub to another area. This valve is fully adjustable and can be used to suit the user's desired effect. The valve may be slightly harder to turn when the water pump is operating. This is normal due to high rate of water flow and pressure present in the valve.

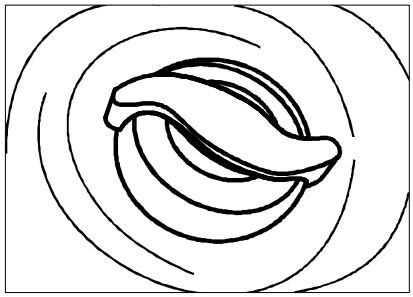


Figure 2 Diverter Valve

AIR CONTROL VALVE

Your hot tub is equipped with some air control valves (See Figure 3). The air control valve is an on/off valve that allows air to be introduced into a specific jet configuration resulting in a more vigorous jet action. Turn the valve handle counterclockwise to turn the air on, and clockwise to turn the air off. Opening the valve increases jet pressure and closing the valve decreases the jet pressure.

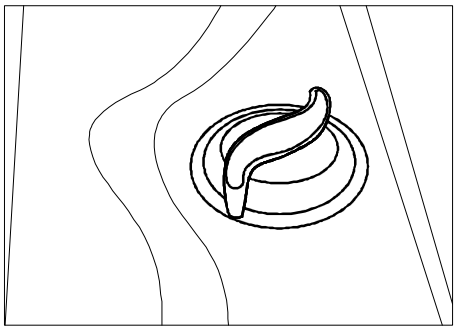


Figure 3 Air Control Valve

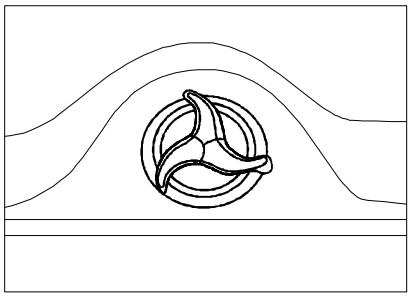
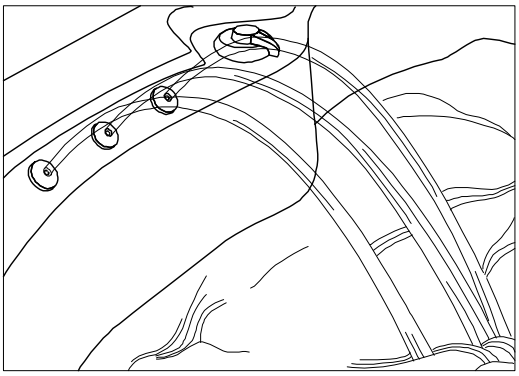


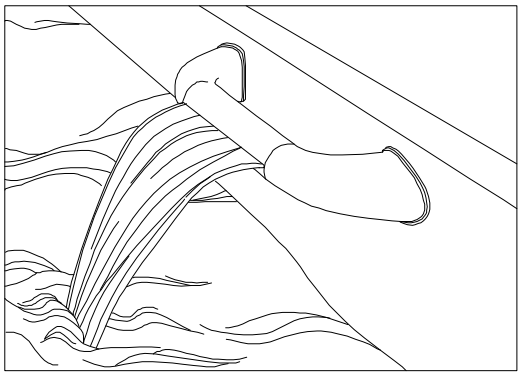
Figure 4 Aromatherapy Canister

WATERFALL / Fountain (optional)

Your hot tub may be equipped with a waterfall or fountain which is set into the top rim of the hot tub. Water from the hot tub circulation system flows into a closed end of a channel located in the top rim and along the channel to the open end located at the edge of the top rim on the

inside wall to fall into the body of water in the hot tub.

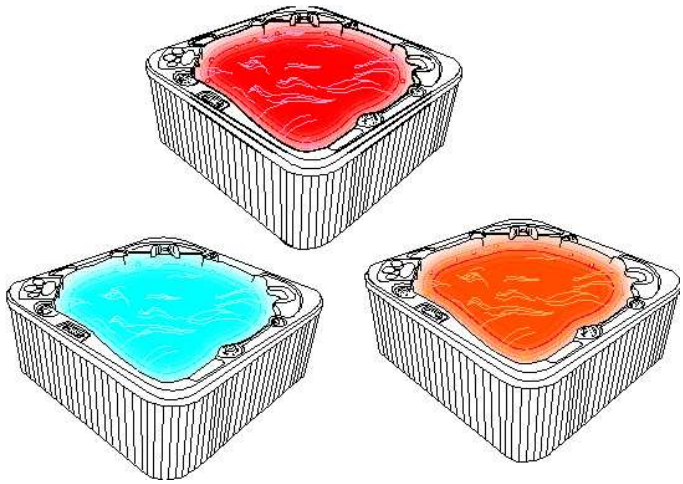




Multi-Color of HOT TUB Light

This feature allows the hot tub owner to retain a favorite color operation mode. There are 13 modes. And the color operation modes are available:

- Spectrum Quick Dance: fade through all 8 colors, 1 second/color
- Spectrum Slow Dance: fade through all 8 colors, 10 seconds/ color
- Color Burst: strobe effect change through all 8 colors, 5 seconds/ color
- Spectrum Slow Dance: fade through all 8 colors, 6 seconds/ color
- Spectrum Quick Dance: fade through all 8 colors, 0.05 second/ color
- Red
- Green
- Blue
- Yellow
- Cyan
- Orange
- Purple
- White



Draining Your Hot tub

Your hot tub needs to be drained, cleaned, and refilled approximately every 4 - 6 weeks. For heavier hot tub use or if the water has been contaminated you may wish to change the water more frequently. The following is the recommended method for draining your hot tub.

1) Turn off the power to your hot tub at the isolation switch.

NOTE: Do not leave an empty hot tub exposed for long periods of time in hot and sunny weather.

2) Locate the drain valve (hose bib) of the hot tub (the drain valve is located in the base under the front left corner of the cabinet panel, See figure 5 & 6, or figure 7).

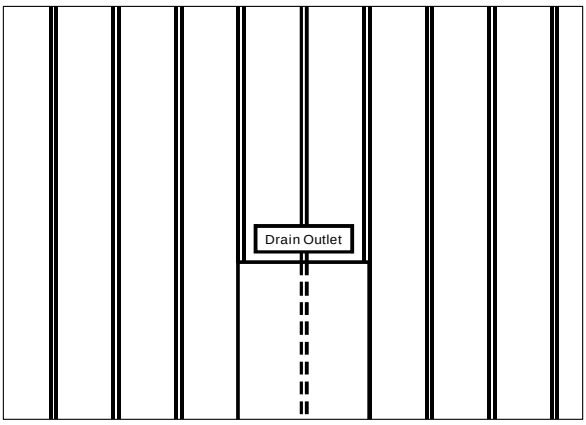


Figure 5

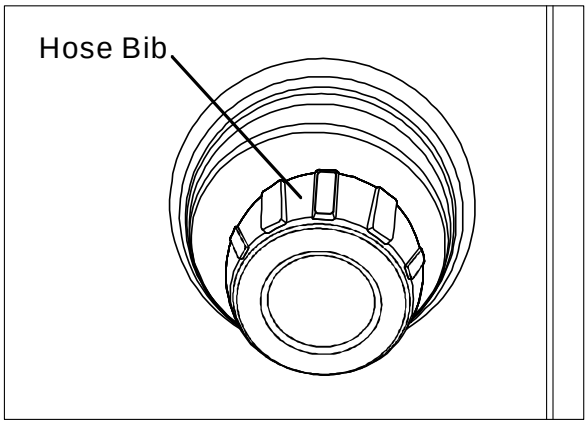


Figure 6

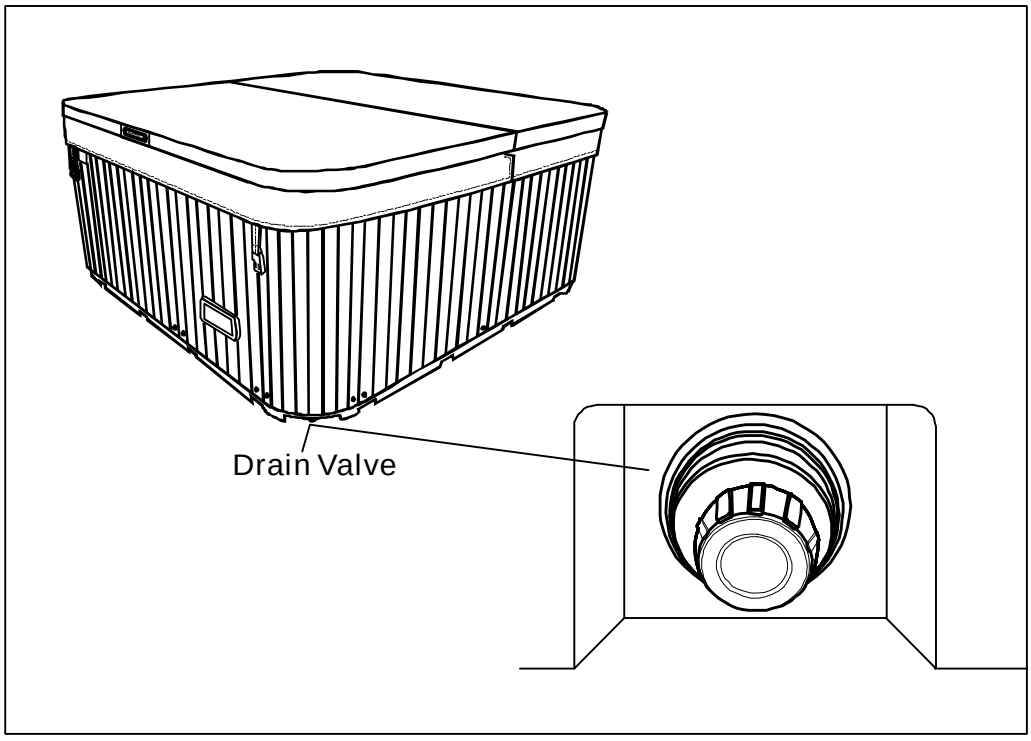


Figure 7

3) Grasp the hose bib cap and turn it counterclockwise. The hose bib fitting will then be able to be pulled out slightly and the cap can be removed. Attach a garden hose to the end of hose bib and allow the water to drain away from your hot tub. It will take most hot tubs 3-4 hours to drain using the hose bib.

4) When all water has been evacuated, turn the hose bib fitting clockwise until it stops. Remove the garden hose, and then screw the cap onto the end of hose bib.

5) Refill your hot tub; please follow the next steps to re-commission your hot tub.

Filling & Re-Starting Your Hot tub

FILLING YOUR SPA WITH WATER

⚠ **Caution:** DO NOT fill your hot tub with hot water straight out of your water heater or tap. This water may be as hot as 82.2˚C (180˚F) and will cause damage to the surface and plumbing of the hot tub. This will void your warranty.

Now it's time to fill your hot tub with water. Do not turn on the power to the hot tub until your hot tub is completely filled. The following is the recommended method for properly filling your hot tub:

1) Remove the filter lid / cup holder and set it aside.

2) Remove the floating weir and basket. Then remove the filter cartridge by pulling it out from the filter canister.

3) Use a clean pipe/garden hose, flush out dirty/stale water, place hose in the center of the filter canister.

4) Fill the hot tub with water from the circulation pump line until water level is above the foot-well.

NOTE: This will purge all the air out of the circulation pump. An air lock can cause damage to the circulation pump and this will void your warranty.

5) Once the water level is filled over the foot-well, you can pull the hose out of the filter canister and continue filling the hot tub from foot-well area of the hot tub shell.

6) Fill the hot tub until the water level is about 1" above the highest jet (or about ½" below the pillow). Do not over fill.
NOTE: Every person entering the hot tub will displace a given volume of water, so adjust water level to the number of people regularly using the hot tub.

7) Turn off the hose, and then verify there are no leaks at the pump unions during filling your hot tub.

8) Reinstall the filter cartridge and basket into the filter canister.

TURNING THE POWER ON

WARNING: Do not turn on any pump until your hot tub is properly filled with water. Running any pump without water in your hot tub can cause IMMEDIATE damage, which will not be covered under warranty!

After filling your hot tub with water to a level of approximately 1" above the highest jet (or about ½" below the pillow), you can turn on the power to the hot tub at the main circuit breaker. Verify that your hot tub has no error codes. If you encounter a problem, please refer to the troubleshooting guide.

TESTING THE RCD BREAKER

Test the RCD breaker prior to first use and weekly thereafter when power to the hot tub is turned on. To test the RCD breaker, please follow these instructions (hot tub should be operating):

1) Press the "TEST" button on the RCD. The RCD will trip and the hot tub will shut off.

2) Reset the RCD breaker by switching the breaker to the full "OFF" position, wait a moment, then turn the breaker back on. The hot tub should have power again.

DANGER -- RISK OF ELECTRICAL SHOCK: If the RCD breaker fails to operate as described, there is a possibility of an electrical shock if the hot tub is used. Do not use the hot tub. Turn off the power at the main electrical service panel until the source of the problem has been identified and corrected by a licensed electrician or qualified hot tub technician.

PRIMING THE PUMPS

When power is turned on, your hot tub is automatically programmed to start circulating the

water through the circulation pump. If there is no water flowing from the jets, the pumps need to be primed to eliminate air lock.

⚠ **Caution:** Make sure that all pumps are free of air locks when power is turned on. When filling your hot tub for the first time or, after draining and refilling your hot tub, E6 error message may appear on the LCD display of topside control panel. Please be advised that air locking of the pumps may occur in this case. This is uncommon, but you need to bleed air from the pumps. To relieve an airlock situation, please follow the steps below:

1) Turn the pump off by shutting off the power to your hot tub at the main breaker panel.

2) Remove the synthetic cabinet panels on the side of the hot tub to access the pumps.

3) Loosen the pump unions until you hear all the air escapes and water starts to drip out (See Figure 1).

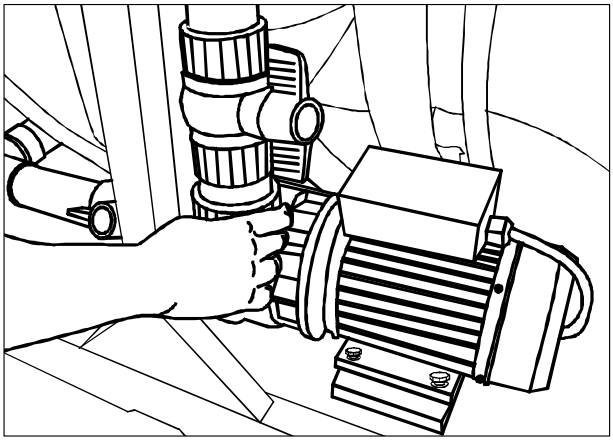


Figure 1

4) Once water drips out in a continuous stream, hand tightens the unions until the water stops leaking.

5) Turn on the pump to make sure that there are no leaks.

6) Reinstall the cabinet side panel.

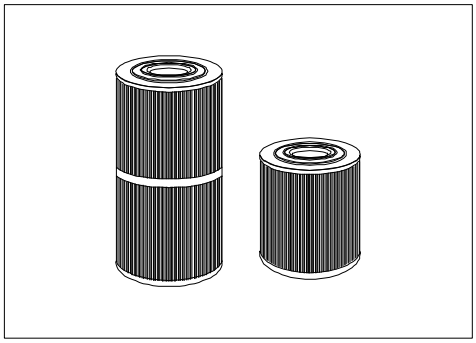
Hot tub Care and Maintenance

FILTER CLEANING

Your new hot tub has been designed for quick and easy filter maintenance. On initial start-up, the filter should be cleaned every other day for the first two weeks of operation. We recommend the filter to be cleaned once a week to avoid a decrease in jet performance. We also recommend having an extra replacement filter on hand, which is to install when cleaning the filter. To clean the filter, please follow the steps below:

1) Turn power off to your hot tub at the isolation switch.
2) Remove the filter lid / cup holder and set it aside.
3) Remove the floating weir and basket.
4) Remove the filter cartridge by pulling it out from the filter canister.
5) Clean the filter cartridge with a garden hose as follows:
   a. Hold the filter cartridge vertically.
   b. Spray the filter cartridge with a pressure nozzle, starting from the top and spraying down each pleat.
   c. Turn the filter cartridge over and repeat step a & b.
6) To reinsert the filter cartridge, please follow the steps in the reverse sequence.
7) Use a Shoreline™ approved filter Cartridge cleaner at least once a month.
8) Replace filters after 12 months.

⚠ **WARNING:** Power to your hot tub must be turned off prior to removing and cleaning the filter. The suction at the filter is extremely strong and can cause injury if there is no filter. NEVER operate the hot tub without any filter in place or never use your hot tub without the filter properly installed. If done, damage will result to the pumps and other electrical components. Any damage to the electrical components due to this circumstance will not be covered under warranty.



CARE FOR HOT TUB COVER

Proper care and cleaning of your hot tub cover is an important part of routine maintenance. Dirt acts as an abrasive to the vinyl topcoat of hot tub cover, and can also cause wear to folds, seams, and stitching. Mildew growing on damp, dirty vinyl will begin to actually rot the fabric, accelerating failure. Your cover will last much longer if you heed the following suggestions:

1) Rinse the vinyl topcoat with cool water.

2) Spray with a gentle, non-foaming Shoreline approved cleaner and wipe clean. Never use laundry detergent, abrasives, alcohols, dish soaps or harsh cleaners. These can actually remove some of the topcoat and cause premature vinyl failure.

3) For stubborn dirt, use a non-abrasive sponge. Rinse the hot tub cover thoroughly with water and allow to dry.

4) When shock dosing hot tub leave cover off for 30 minutes, to vent.

5) Replace the hot tub cover every 3 years.

⚠**Caution:** Your hot tub cover is affected by the UV in sunlight. Periodic treatment with an approved liquid protectant will extend the life of your hot tub. The wrong kind of protectant can be more harmful then no protectant at all. Keep any product away from your hot tub, which is labeled "flammable" that contains any type of oil, or that leaves a waxy coating on your hot tub cover.

NOTE: Never stand or sit on the cover (The insulating foam in your cover is not designed to hold the weight of a person or an animal). Cracked foam in the cover will increase running costs dramatically and is not covered under warranty! Never drag it over abrasive surfaces.

Keep the hot tub covered when not in use! To minimize heat loss. Small locks are available for the cover tie downs; please lock the hot tub cover to prevent small children from gaining entry to the hot tub. Replace locks or cover if they are defective.

CARE FOR PILLOWS

Remove and clean the pillows with water and a soft cloth when needed. Use an approved vinyl conditioner once a month. Remove pillows when doing chemical shock treatment.

WARNING: Do not use non approved oil-based vinyl protectants on the pillows. These products will cause severe water clarity issues that are difficult to correct.

CARE FOR JETS

We recommend that you clean your jets when you drain your hot tub. However, if you do need to clean your jets in between draining, this can be accomplished when the hot tub is full.

1) Remove the jet internal by turning it counterclockwise to the on position until it stops. Continue to turn the jet past the stop point to loosen it from the hot tub. The jet internal will now pull out.

2) Soak the jet internal in a mixture of Shoreline approved Stain and Scale inhibitor as directed. Periodically rotate the spinner nozzle to break up residue in the jet.

3) Rinse the jet internal with warm water.

4) Re-install the jet internal into the jet body and turn clockwise until fully seated, then tug to make sure it is seated properly. You can then continue to turn clockwise until it stops, then turn anticlockwise to open the jet.

NOTE: A jet with stainless steel cover can be slippery. You can use a soft cloth or jar-opening pad to assist in removing and installing the jet.

CARE FOR HOT TUB SURFACE

With a minimum amount of care and cleaning for the ShoreCast™ shell surface, your hot tub will look “as good as new” for many years.

After draining the hot tub, wipe the surface with a soft damp cloth (or sponge) using a Shoreline™ approved hot tub shell cleaner.

⚠**Caution:** NOTE:

- Do not use any abrasive cleaners or chemicals.
- Do not use any alcohol or acetone to clean the surface.
- To avoid the surface cracking, please don't leave hot tub shell in direct sunlight.

Failure to comply with the above will void your warranty.

CARE FOR HOT TUB CABINET

Your hot tub comes with a beautiful wood-looking WeatherGuard™ synthetic cabinet. This synthetic cabinet requires little or no maintenance of any kind. To clean, simply wipe the cabinet panels with a clean towel and mild detergent soap solution.

⚠**Caution:** Do not use any cleaning products containing abrasives or solvents since these could damage the surface of the hot tub cabinets and void your warranty.

SPECIAL COLD WEATHER INSTRUCTIONS (WINTERIZING)

Winter can be one of the most enjoyable times of the year to enjoy your hot tub. WE DO NOT RECOMMEND DRAINING YOUR HOT TUB FOR THE WINTER. However, if you decide not to use your hot tub during the winter or for a long period, you could carry out the following procedures at your own risk:

1) Turn off the main power to the hot tub. Drain the hot tub. Use a wet-vacuum or high-pressure blower to remove all the water, paying particular attention to air tracks and all pipework.

2) When the hot tub is completely empty, loosen and remove all pumps and electrical equipment (including heat pump if fitted) and store in a warm, dry place.

3) Ideally have your hot tub moved and stored indoors/under cover away from damp, wet, freezing conditions. Only use a Shoreline™ approved dealer to move your tub with the correct equipment.

The approved method if the hot tub is not used for a period in cold weather. Leave the hot tub full of water and switched on (a power outage can cause your hot tub equipment system to freeze quickly. During freezing conditions, check your hot tub frequently to ensure proper operation). Be sure to check your hot tub after any power failure to ensure the hot tub is operational. You must still maintain the hot tub water treatment, water changes and water levels. Hot tub water temperature can be lowered and the hot tub mode can be changed to ensure low

energy and chemical consumption.

WATER TREATMENT CHEMICALS

⚠**Caution:** Shoreline Hydrotherapy offer long warranties on the hot tub shell and equipment due to the varying quality of water treatment and cleaning chemicals on the market. It is a condition within the terms of the warranty that the hot tub owner must use Shoreline™ approved brands for water treatments and cleaning chemicals. Failure to use Shoreline™ approved chemicals will void the warranty.

Approved Chemical Brands

AquaClear

Chlor-Pro

Brom-Pro

Please thoroughly read the chemical treatment handbook, chemical container labels, guides and handbooks.

General Equipment and Hot tub care

⚠**Caution:** Please maintain the hot tub water in accordance with the hand books, labels and guides.

Please test the water on a daily bases and maintain according to the current BISHTA guides.

Do not allow un-dissolved chemicals to lie on the hot tub shell as damage may result.

Please ensure the all the jets are open and on before use, as pump damage may result. Failure to maintain the hot tub properly will void the warranty.

Annual Service/Repairs required

⚠**Caution:** It is a condition of the warranty that a service be carried out every year before the anniversary of the hot tub installation by an approved Shoreline™ service agent. It is the hot tub owner's responsibility to ensure that the annual service is carried out. All repairs and/or replacements required must be carried out immediately without delay by a Shoreline™ approved service agent. Failure to service/maintain the hot tub will void the warranty.

Moving your Shoreline Hot Tub

⚠**Caution:** It is a condition of the warranty that your hot tub is moved only (including within curtilage of existing property) by a Shoreline™ approved dealer

Owner's Record

Hot tub Model: _____

Shell Colour: _____

Hot tub Serial Number: _____

Date Purchased: _____

Date Delivered: _____

Date Installed: _____

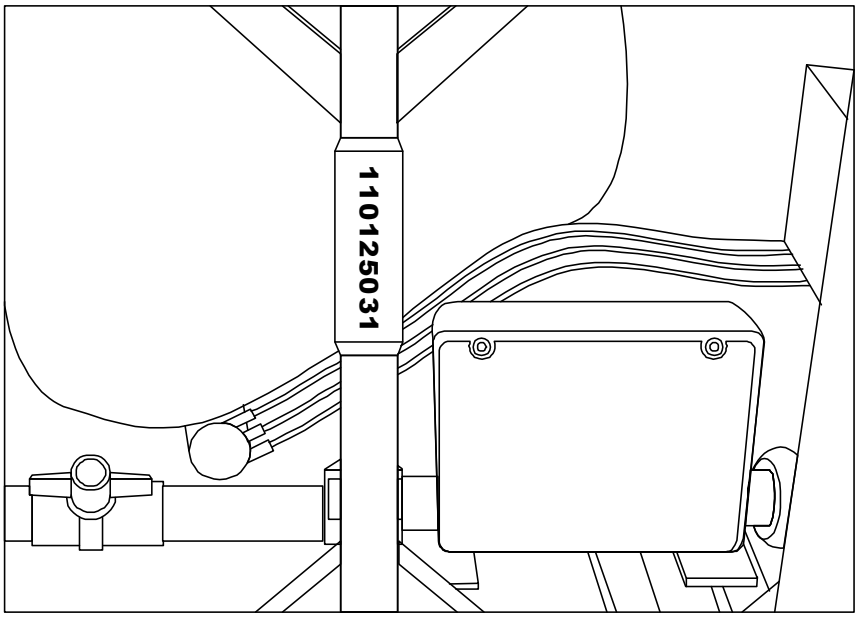
Dealer's Name: _____

Dealer's Telephone Number: _____

Dealer's Address:

_____

Your unique hot tub serial number is written in blue on a wood block, which is located below the topside control panel behind the front access cabinet panel. Please record the serial number and model number of your hot tub along with the installation date in the hot tube provided above. **STORE THIS MANUAL WHERE YOU CAN EASILY FIND IT.** When calling for service, have your hot tub serial number in hand to expedite its servicing.



Notes: